

Title (en)
CYCLIC AMINE COMPOUND

Title (de)
CYCLISCHE AMINVERBINDUNG

Title (fr)
COMPOSÉ AMINE CYCLIQUE

Publication
EP 2098507 A4 20110406 (EN)

Application
EP 07832772 A 20071129

Priority
• JP 2007073057 W 20071129
• JP 2006324538 A 20061130
• JP 2007205966 A 20070807

Abstract (en)
[origin: EP2098507A1] Provision of a compound having a superior androgen receptor regulating action. A compound represented by the formula (I) wherein R 1 is a hydrogen atom, a halogen atom, a group via a carbon atom, a group via a nitrogen atom, a group via an oxygen atom or a group via a sulfur atom; R 2 is a hydrogen atom, a halogen atom, a group via a carbon atom, a group via a nitrogen atom, a group via an oxygen atom or a group via a sulfur atom; R 3 is an electron-withdrawing group; R 4 is a hydrogen atom, a halogen atom, a group via a carbon atom, a group via a nitrogen atom, a group via an oxygen atom or a group via a sulfur atom; R 5 is a hydrogen atom, a halogen atom, a group via a carbon atom, a group via a nitrogen atom, a group via an oxygen atom or a group via a sulfur atom; R 6 is a hydrogen atom, a halogen atom, a group via a carbon atom, a group via a nitrogen atom, a group via an oxygen atom or a group via a sulfur atom; R 7 is alkyl optionally having substituent(s); R 8 is a hydrogen atom, alkyl optionally having substituent(s), alkenyl optionally having substituent(s) or cycloalkyl optionally having substituent(s); R 9 is a group via an oxygen atom; and ring A is a 5- or 6-membered ring optionally having substituent(s) other than R 6 to R 9 (excluding 2-chloro-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]-3-methylbenzonitrile, 2-chloro-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]benzonitrile, 4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]benzonitrile, 2-chloro-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]-5-methylbenzonitrile, 2-chloro-3-ethyl-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]benzonitrile, 4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]-2-(trifluoromethyl)benzonitrile, 2,3-dichloro-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]-5-methylbenzonitrile, 2,3-dichloro-4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]benzonitrile, 4-[(2S,3S)-3-hydroxy-2-methylpyrrolidin-1-yl]-3-(trifluoromethyl)benzonitrile, 4-[(2S,3S)-3-hydroxy-2-isopropylpyrrolidin-1-yl]-2-(trifluoromethyl)benzonitrile, 4-[(2S,3R)-3-hydroxy-2-isopropylpyrrolidin-1-yl]-2-(trifluoromethyl)benzonitrile, and 2-chloro-4-[(2S)-3-hydroxy-2-methylpiperidin-1-yl]benzonitrile), or a salt thereof.

IPC 8 full level
C07D 207/273 (2006.01); **A61K 31/4015** (2006.01); **A61P 5/00** (2006.01); **A61P 15/12** (2006.01); **A61P 19/10** (2006.01); **C07D 209/54** (2006.01)

CPC (source: EP US)
A61P 1/14 (2017.12 - EP); **A61P 3/00** (2017.12 - EP); **A61P 3/02** (2017.12 - EP); **A61P 5/00** (2017.12 - EP); **A61P 5/26** (2017.12 - EP); **A61P 7/00** (2017.12 - EP); **A61P 13/08** (2017.12 - EP); **A61P 15/00** (2017.12 - EP); **A61P 15/10** (2017.12 - EP); **A61P 15/12** (2017.12 - EP); **A61P 19/10** (2017.12 - EP); **A61P 21/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 207/12** (2013.01 - EP US)

Citation (search report)
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